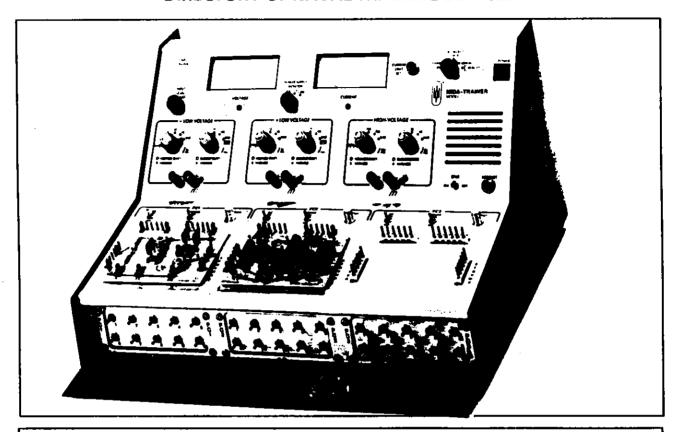
# DEVICE 6B38 DIRECTORY OF NAVAL TRAINING DEVICES



# **BASIC ELECTRONICS TRAINING SYSTEM, DEVICE 6B38**

# **TRAINING CATEGORY:**

**BASIC SCIENCE (Electronic)** 

**ORIGINATING AGENCY:** 

DCNO/AIR

**SECURITY CLASSIFICATION:** 

Device 6B38 is unclassified.

# CONTRACT IDENTIFICATION:

Manufactured by Nida Corp., 300 S. John Road Blvd., Melbourne, FL 32904 under NAVTRASYS-CEN Contract No. N61339-85-C-0117.

**LOCAL STOCK NUMBER:** 

6910-LL-C00-6813

#### TRAINING CATEGORY:

Basic Electricity and Electronic Training

#### ORIGINATING AGENCY:

NIDA CORPORATION

SECURITY CLASSIFICATION OF DEVICE:

Device 6B38 is unclassified.

#### PURPOSE OF DEVICE:

To provide indepth handson training in the fundamentals of electricity and electronics.

#### INTENDED USE:

In Basic Electricity and Electronics Schools and various Electronics Oriented "A" Schools for classroom training of enlisted electronics maintenance personnel.

#### FUNCTIONAL DESCRIPTION:

The Device 6B38 Teaching System is designed to allow each electronics training institution to select hardware which will meet their specific electronics training objectives. Available courses are Basic Electricity covering AC and DC theory; Basic Electronics, covering Linear and Digital circuits; and Selective electronics systems, covering radio receivers, video games, oscilloscopes, ditital voltmeters, optics and others.

As the electronics technology changes new training modules are developed and offered, providing the instructor the ability to quickly and inexpensively update the program of instruction in order to keep pace with the electronics industry. In cases where schools can identify a specific need, experiments demonstrating these circuits can be developed.

Each 6B38 lab experiment has specially designed and preassembled circuit boards applying specific theory in the laboratory. By plugging the circuit cards into the Test Console each experiment can be performed with great accuracy and efficiency.

Since all necessary DC and AC power supplies are built into the console and the experiments boards are fully assembled and pretested before shipment, absolute minimum setup time is assured. Through use of fault switches mounted on the test console, in-circuit faults can be easily inserted, providing in-depth troubleshooting practice.

Hardware involved in the 6B3B system consists of a Test Console and a series of over 150 plug pre-assembled printed circuit cards. Additional cards are being designed and will be added to the existing library of cards

### PHYSICAL INFORMATION:

Dimensions: 18"(46cm)W, 15"(38cm), 8"(20cm)H

Weight: 22 lbs., 10 Kg

Case: Anodized aluminum with lockable steel cover for fault switches.

EQUIPMENT REQUIRED (NOT SUPPLIED)

Dual Trace Oscilloscope
Signal Generator
Multimeter
POWER REQUIREMENTS:
115 Vac (2A max) 50/60 Hz
switch controlled with pilot
light & primary fuse protection.

#### PUBLICATIONS FURNISHED:

Instruction Manual for operation of the Basic Electronics Training System Device 6B38.

#### PERSONNEL:

Instructor: Qualified to teach

Basic Electricity and

Electronics.

Operator: Student (Trainee)

Trainees: Up to two per

device

Maintenance: As required.

# CONTRACT IDENTIFICATION:

Manufactured by Nida Corporation, Melbourne, Florida under Contract No. N61339-85-C-0117